

EXHIBIT 2

COLOR KEY	DESCRIPTION
Industry Standard Term	A term or acronym used or defined in an IETF, IEEE, or similar document at the time the command was purportedly added to Cisco IOS; may also refer to MIB variables

#	Disputed Cisco Command Words				
1	aaa	accounting			
2	aaa	accounting	dot1x		
3	aaa	authentication	login		
4	aaa	authorization	config-commands		
5	aaa	authorization	console		
6	aaa	group	server	radius	
7	aaa	group	server	tacacs+	
8	address-family				
9	aggregate-address				
10	area	default-cost			
11	area	default-cost			
12	area	nssa			
13	area	nssa			
14	area	nssa	default-information-originate		
15	area	nssa	default-information-originate		
16	area	nssa	no-summary		
17	area	nssa	translate	type7	always
18	area	nssa	translate	type7	always
19	area	range			
20	area	range			
21	area	stub			
22	area	stub			
23	arp	timeout			
24	banner	login			
25	banner	motd			
26	bfd	all-interfaces			
27	bgp	client-to-client	reflection		
28	bgp	cluster-id			
29	bgp	confederation	identifier		
30	bgp	confederation	peers		

31	bgp	listen	limit
32	bgp	log-neighbor-changes	
33	bgp	redistribute-internal	
34	boot	system	
35	channel-group		
36	class-map	type	control-plane
37	clear	arp-cache	
38	clear	counters	
39	clear	ip	arp
40	clear	ip	bgp
41	clear	ip	igmp group
42	clear	ip	mroute
43	clear	ip	msdp sa-cache
44	clear	ip	nat translation
45	clear	ip	ospf neighbor
46	clear	ipv6	neighbors
47	clear	ipv6	ospf force-spf
48	clear	lldp	counters
49	clear	lldp	table
50	clear	mac	address-table dynamic
51	clear	spanning-tree	counters
52	clock	set	
53	clock	timezone	
54	control-plane		
55	default-information	originate	
56	default-information	originate	
57	default-metric		
58	distance	bgp	
59	domain-id		
60	dot1x	max-reauth-req	
61	dot1x	pae	authenticator
62	dot1x	port-control	
63	dot1x	reauthentication	
64	dot1x	system-auth-control	
65	dot1x	timeout	quiet-period
66	dot1x	timeout	reauth-period
67	dot1x	timeout	tx-period
68	enable	secret	

69	erase	startup-config		
70	errdisable	detect	cause	link-flap
71	errdisable	recovery	cause	
72	errdisable	recovery	interval	
73	flowcontrol	receive		
74	flowcontrol	send		
75	interface	ethernet		
76	interface	loopback		
77	interface	port-channel		
78	interface	vlan		
79	ip	access-group		
80	ip	access-list		
81	ip	access-list	standard	
82	ip	address		
83	ip	as-path	access-list	
84	ip	community-list	expanded	
85	ip	community-list	standard	
86	ip	dhcp	smart-relay	
87	ip	dhcp	smart-relay	global
88	ip	dhcp	snooping	
89	ip	dhcp	snooping	information
90	ip	dhcp	snooping	vlan
91	ip	domain	lookup	
92	ip	domain-name		
93	ip	ext-community-list	expanded	
94	ip	ext-community-list	standard	
95	ip	helper-address		
96	ip	host		
97	ip	http	client	source-interface
98	ip	icmp	redirect	
99	ip	igmp	last-member-query-count	
100	ip	igmp	last-member-query-interval	
101	ip	igmp	query-interval	
102	ip	igmp	query-max-response-time	
103	ip	igmp	snooping	
104	ip	igmp	snooping	querier
105	ip	igmp	snooping	vlan
106	ip	igmp	snooping	vlan
				immediate-leave

107	ip	igmp	snooping	vlan	mrouter
108	ip	igmp	snooping	vlan	static
109	ip	igmp	startup-query-count		
110	ip	igmp	startup-query-interval		
111	ip	igmp	static-group		
112	ip	igmp	version		
113	ip	load-sharing			
114	ip	local-proxy-arp			
115	ip	msdp	cache-sa-state		
116	ip	msdp	default-peer		
117	ip	msdp	description		
118	ip	msdp	group-limit		
119	ip	msdp	keepalive		
120	ip	msdp	mesh-group		
121	ip	msdp	originator-id		
122	ip	msdp	peer		
123	ip	msdp	sa-filter	in	
124	ip	msdp	sa-filter	out	
125	ip	msdp	sa-limit		
126	ip	msdp	shutdown		
127	ip	msdp	timer		
128	ip	multicast	boundary		
129	ip	multicast-routing			
130	ip	name-server			
131	ip	nat	pool		
132	ip	nat	translation	tcp-timeout	
133	ip	nat	translation	udp-timeout	
134	ip	ospf	authentication		
135	ip	ospf	authentication-key		
136	ip	ospf	bfd		
137	ip	ospf	cost		
138	ip	ospf	dead-interval		
139	ip	ospf	hello-interval		
140	ip	ospf	message-digest-key		
141	ip	ospf	name-lookup		
142	ip	ospf	network		
143	ip	ospf	priority		
144	ip	ospf	retransmit-interval		

145	ip	ospf	shutdown	
146	ip	ospf	transmit-delay	
147	ip	pim	anycast-rp	
148	ip	pim	bfd	
149	ip	pim	bfd-instance	
150	ip	pim	bsr-border	
151	ip	pim	bsr-candidate	
152	ip	pim	dr-priority	
153	ip	pim	log-neighbor-changes	
154	ip	pim	neighbor-filter	
155	ip	pim	query-interval	
156	ip	pim	register-source	
157	ip	pim	rp-address	
158	ip	pim	rp-candidate	
159	ip	pim	sparse-mode	
160	ip	pim	spt-threshold	
161	ip	pim	spt-threshold	group-list
162	ip	pim	ssm	range
163	ip	prefix-list		
164	ip	protocol		
165	ip	proxy-arp		
166	ip	radius	source-interface	
167	ip	rip	v2-broadcast	
168	ip	route		
169	ip	routing		
170	ip	tacas	source-interface	
171	ipv6	access-group		
172	ipv6	access-list		
173	ipv6	address		
174	ipv6	dhcp	relay	destination
175	ipv6	enable		
176	ipv6	host		
177	ipv6	nd	managed-config-flag	
178	ipv6	nd	ns-interval	
179	ipv6	nd	other-config-flag	
180	ipv6	nd	prefix	
181	ipv6	nd	ra	interval
182	ipv6	nd	ra	lifetime

183	ipv6	nd	ra	suppress
184	ipv6	nd	reachable-time	
185	ipv6	nd	router-preference	
186	ipv6	neighbor		
187	ipv6	ospf	area	
188	ipv6	ospf	cost	
189	ipv6	ospf	dead-interval	
190	ipv6	ospf	hello-interval	
191	ipv6	ospf	network	
192	ipv6	ospf	priority	
193	ipv6	ospf	retransmit-interval	
194	ipv6	ospf	transmit-delay	
195	ipv6	prefix-list		
196	ipv6	route		
197	ipv6	router	ospf	
198	ipv6	unicast-routing		
199	isis	hello-interval		
200	isis	hello-multiplier		
201	isis	lsp-interval		
202	isis	metric		
203	isis	passive		
204	isis	passive-interface		
205	isis	priority		
206	is-type			
207	lacp	port-priority		
208	lacp	rate		
209	lacp	system-priority		
210	link	state	group	
211	link	state	track	
212	lldp	holdtime		
213	lldp	receive		
214	lldp	reinit		
215	lldp	run		
216	lldp	timer		
217	lldp	tlv-select		
218	lldp	transmit		
219	load	interval		
220	log-adjacency-changes			

221	log-adjacency-changes	
222	log-adjacency-changes	
223	logging	host
224	mac	access-group
225	mac	access-list
226	mac	address-table aging-time
227	mac	address-table static
228	mac-address	
229	maximum-paths	
230	maximum-paths	
231	neighbor	activate
232	neighbor	allowas-in
233	neighbor	default-originate
234	neighbor	description
235	neighbor	ebgp-multipath
236	neighbor	fall-over bfd
237	neighbor	local-as
238	neighbor	next-hop-self
239	neighbor	password
240	neighbor	peer-group
241	neighbor	peer-group
242	neighbor	remote-as
243	neighbor	remote-private-as
244	neighbor	route-map
245	neighbor	route-reflector-client
246	neighbor	send-community
247	neighbor	shutdown
248	neighbor	soft-reconfiguration
249	neighbor	timers
250	neighbor	transport connection-mode
251	neighbor	update-source
252	neighbor	weight
253	network	area
254	no	snmp-server
255	ntp	authenticate
256	ntp	authentication-key
257	ntp	server
258	ntp	source

259	ntp	trusted-key	
260	passive-interface	default	
261	passive-interface	<interface>	
262	passive-interface		
263	policy-map	type	control-plane
264	policy-map	type	qos
265	port-channel	load-balance	
266	port-channel	min-links	
267	priority-flow-control	mode	
268	private-vlan		
269	private-vlan	mapping	
270	ptp	domain	
271	ptp	priority1	
272	ptp	priority2	
273	ptp	sync	interval
274	radius-server	deadtime	
275	radius-server	host	
276	radius-server	key	
277	radius-server	retransmit	
278	radius-server	timeout	
279	redundancy	force-switchover	
280	route-map		
281	router	bgp	
282	router	isis	
283	router	ospf	
284	router	rip	
285	router-id		
286	router-id		
287	routing-context	vrf	
288	service	sequence-numbers	
289	set-overload-bit		
290	show	aaa	method-lists
291	show	aaa	sessions
292	show	arp	
293	show	bfd	neighbors
294	show	clock	
295	show	dot1q-tunnel	
296	show	dot1x	

297	show	dot1x	all	summary
298	show	dot1x	statistics	
299	show	environment	all	
300	show	environment	cooling	
301	show	environment	power	
302	show	environment	temperature	
303	show	etherchannel		
304	show	flowcontrol		
305	show	hostname		
306	show	hosts		
307	show	interfaces		
308	show	interfaces	capabilities	
309	show	interfaces	description	
310	show	interfaces	private-vlan	mapping
311	show	interfaces	status	
312	show	interfaces	switchport	
313	show	interfaces	switchport	backup
314	show	interfaces	transceiver	
315	show	interfaces	trunk	
316	show	inventory		
317	show	ip	access-lists	
318	show	ip	arp	
319	show	ip	bgp	
320	show	ip	bgp	community
321	show	ip	bgp	neighbors
322	show	ip	bgp	neighbors
323	show	ip	bgp	paths
324	show	ip	bgp	peer-group
325	show	ip	bgp	regexp
326	show	ip	bgp	summary
327	show	ip	community-list	
328	show	ip	dhcp	snooping
329	show	ip	extcommunity-list	
330	show	ip	helper-address	
331	show	ip	igmp	groups
332	show	ip	igmp	interface
333	show	ip	igmp	snooping
334	show	ip	igmp	snooping
				groups

335	show	ip	igmp	snooping	mrouter
336	show	ip	igmp	snooping	querier
337	show	ip	interface		
338	show	ip	interface	brief	
339	show	ip	mfib		
340	show	ip	mroute		
341	show	ip	mroute	count	
342	show	ip	msdp	mesh-group	
343	show	ip	msdp	peer	
344	show	ip	msdp	rpf-peer	
345	show	ip	msdp	sa-cache	
346	show	ip	msdp	summary	
347	show	ip	nat	translations	
348	show	ip	ospf		
349	show	ip	ospf	border-routers	
350	show	ip	ospf	database	database-summary
351	show	ip	ospf	interface	
352	show	ip	ospf	neighbor	
353	show	ip	ospf	request-list	
354	show	ip	ospf	retransmission-list	
355	show	ip	pim	interface	
356	show	ip	pim	neighbor	
357	show	ip	pim	rp	
358	show	ip	pim	rp-hash	
359	show	ip	prefix-list		
360	show	ip	rip	database	
361	show	ip	rip	neighbors	
362	show	ip	route		
363	show	ip	route	summary	
364	show	ip	route	tag	
365	show	ipv6	access-lists		
366	show	ipv6	bgp		
367	show	ipv6	bgp	community	
368	show	ipv6	bgp	neighbors	
369	show	ipv6	bgp	summary	
370	show	ipv6	interface		
371	show	ipv6	neighbors		
372	show	ipv6	ospf		

373	show	ipv6	ospf	border-routers
374	show	ipv6	ospf	interface
375	show	ipv6	ospf	neighbor
376	show	ipv6	prefix-list	
377	show	ipv6	route	
378	show	ipv6	route	summary
379	show	ipv6	route	tag
380	show	isis	database	
381	show	isis	interface	
382	show	isis	topology	
383	show	lacp	counters	
384	show	lacp	interface	
385	show	lacp	neighbor	
386	show	link	state	group
387	show	lldp		
388	show	lldp	neighbors	
389	show	lldp	traffic	
390	show	mac	access-lists	
391	show	mac	address-table	
392	show	mac	address-table	aging
393	show	mac	address-table	count
394	show	module		
395	show	monitor	session	
396	show	ntp	associations	
397	show	ntp	status	
398	show	policy-map	type	control-plane
399	show	policy-map	interface	type
400	show	policy-map	interface	control-plane
401	show	port-channel	summary	
402	show	port-channel	traffic	
403	show	port-security		
404	show	port-security	address	
405	show	port-security	interface	
406	show	privilege		
407	show	ptp	clock	
408	show	ptp	parent	
409	show	ptp	time-property	
410	show	radius		

411	show	redundancy	states
412	show	reload	
413	show	role	
414	show	route-map	
415	show	snmp	
416	show	snmp	chassis
417	show	snmp	community
418	show	snmp	contact
419	show	snmp	engineID
420	show	snmp	group
421	show	snmp	host
422	show	snmp	location
423	show	snmp	mib
424	show	snmp	source-interface
425	show	snmp	trap
426	show	snmp	user
427	show	snmp	view
428	show	spanning-tree	
429	show	spanning-tree	blockedports
430	show	spanning-tree	bridge
431	show	spanning-tree	interface
432	show	spanning-tree	mst
433	show	spanning-tree	mst
434	show	spanning-tree	configuration
435	show	spanning-tree	interface
436	show	spanning-tree	root
436	show	storm-control	
437	show	tacas	
438	show	track	
439	show	user-account	
440	show	users	
441	show	version	
442	show	vlan	
443	show	vlan	private-vlan
444	show	vlan	summary
445	show	vrf	
446	show	vrrp	
447	snmp	trap	link-status
448	snmp-server	chassis-id	

449	snmp-server	community	
450	snmp-server	contact	
451	snmp-server	enable	traps
452	snmp-server	engineID	local
453	snmp-server	engineID	remote
454	snmp-server	group	
455	snmp-server	host	
456	snmp-server	location	
457	snmp-server	source-interface	
458	snmp-server	user	
459	snmp-server	view	
460	spanning-tree	bpdufilter	
461	spanning-tree	bpduguard	
462	spanning-tree	bridge	assurance
463	spanning-tree	cost	
464	spanning-tree	guard	
465	spanning-tree	link-type	
466	spanning-tree	loopguard	default
467	spanning-tree	mode	
468	spanning-tree	mst	configuration
469	spanning-tree	portfast	bpdufilter
470	spanning-tree	portfast	bpduguard
471	spanning-tree	port-priority	
472	spanning-tree	transmit	hold-count
473	spanning-tree	vlan	
474	spf-interval		
475	statistics	per-entry	
476	storm-control		
477	switchport	access	vlan
478	switchport	backup	interface
479	switchport	mode	
480	switchport	port-security	
481	switchport	port-security	maximum
482	switchport	private-vlan	mapping
483	switchport	trunk	allowed
484	switchport	trunk	native
485	switchport	vlan	mapping
486	tacacs-server	host	

487	tacacs-server	key	
488	tacacs-server	timeout	
489	terminal	length	
490	terminal	monitor	
491	timers	basic	
492	timers	bgp	
493	timers	lsa	arrival
494	timers	throttle	lsa all
495	timers	throttle	spf
496	username	sshkey	
497	vlan	internal	allocation policy
498	vrf	definition	
499	vrf	forwarding	
500	vrrp	authentication	
501	vrrp	delay	reload
502	vrrp	description	
503	vrrp	ip	
504	vrrp	ip	secondary
505	vrrp	preempt	
506	vrrp	priority	
507	vrrp	shutdown	
508	vrrp	timers	advertise